

FIG. 1

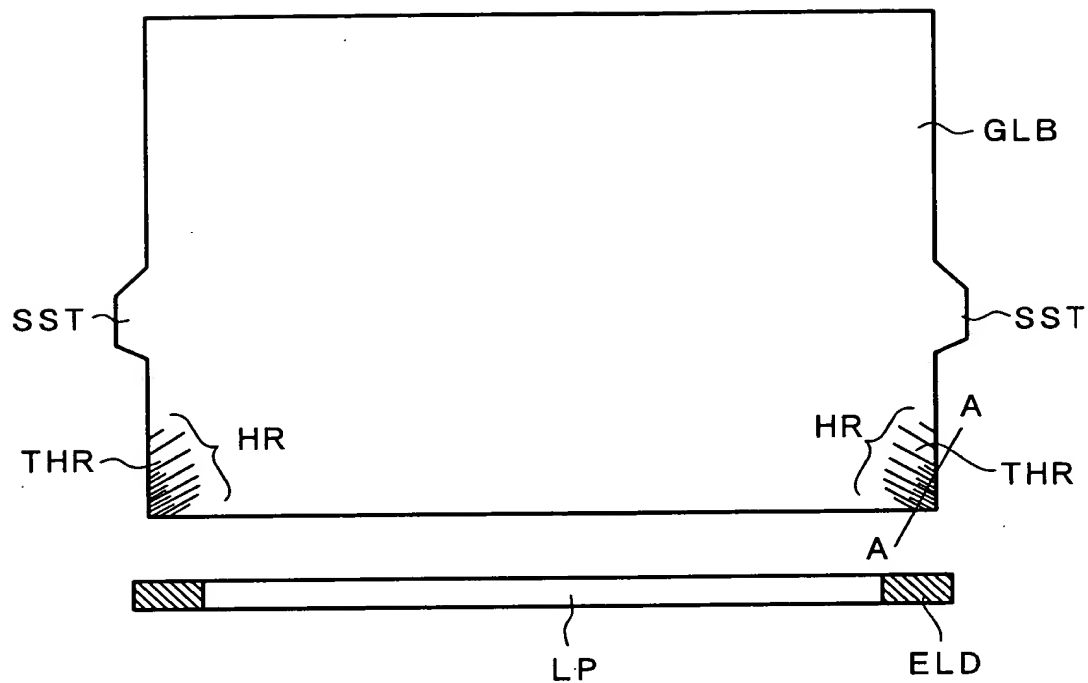
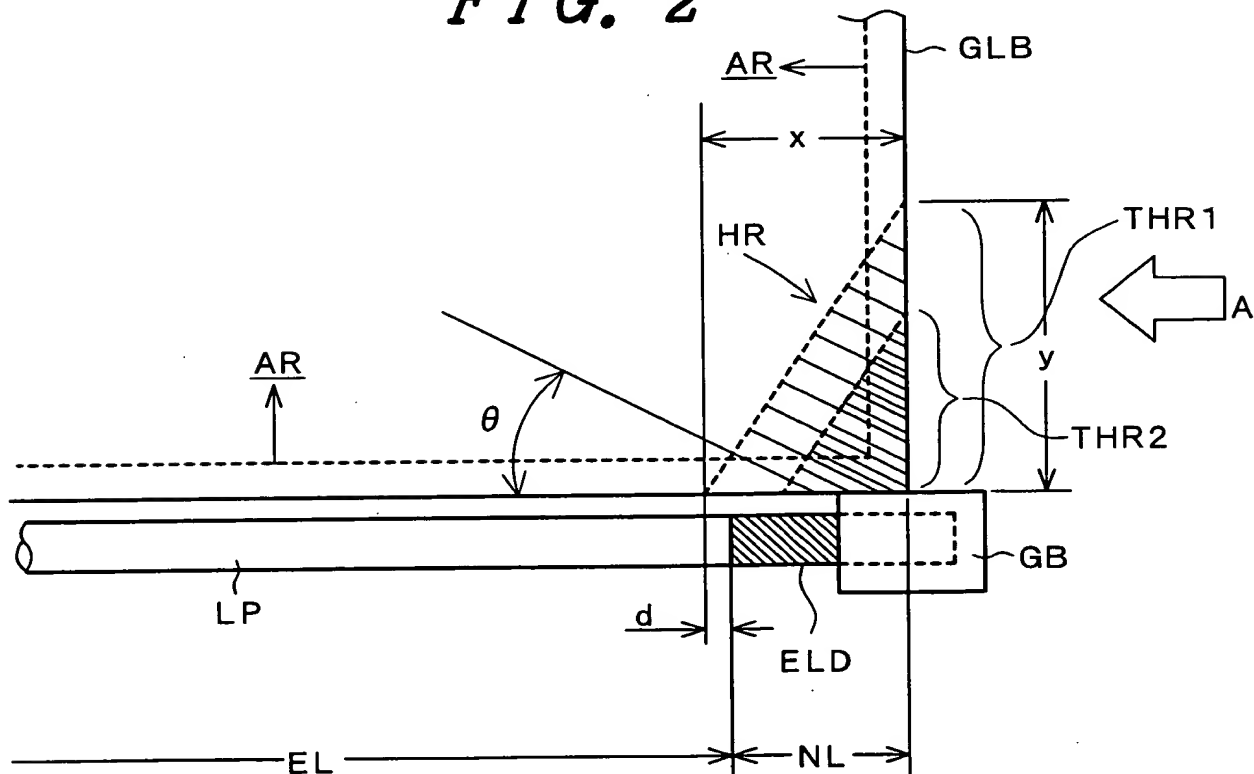


FIG. 2



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FIG. 3

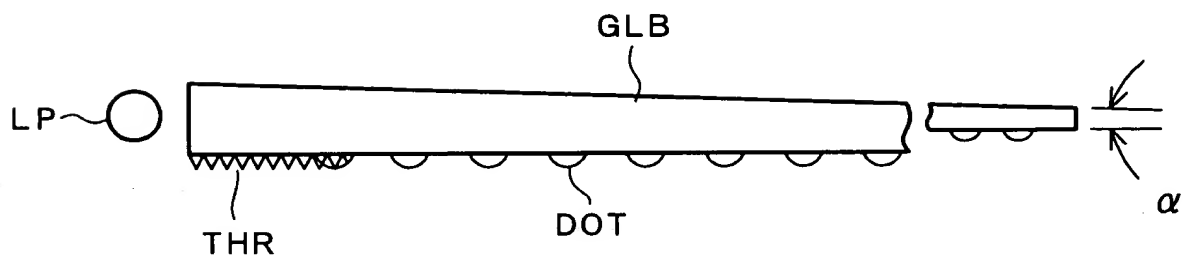
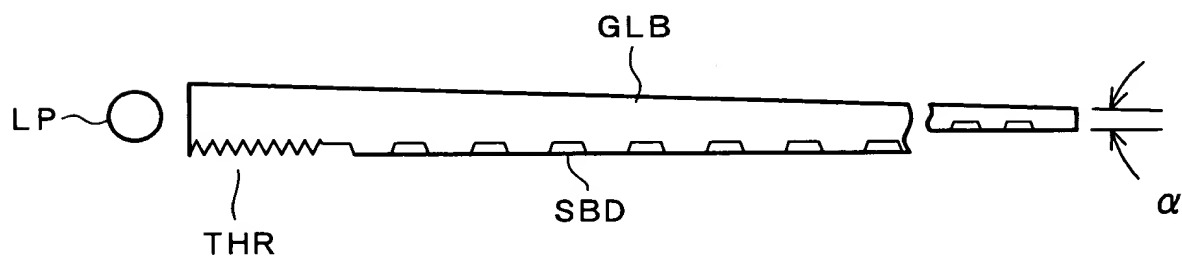


FIG. 4



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FIG. 5

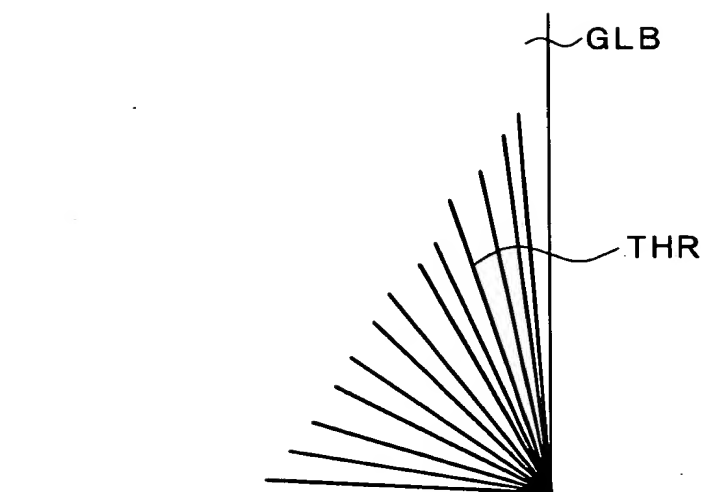
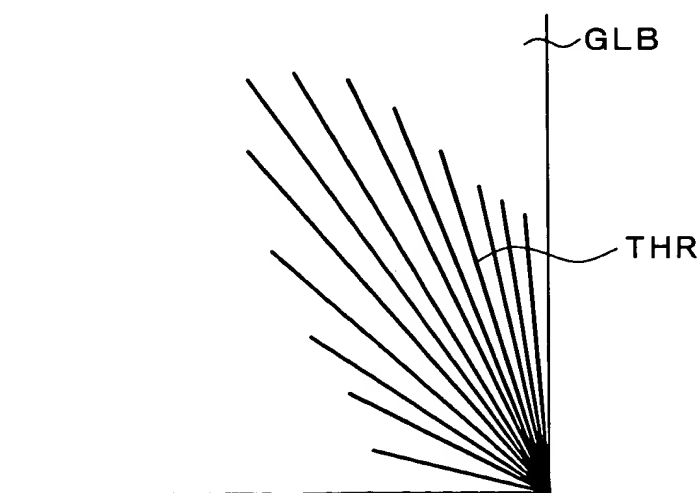


FIG. 6



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FIG. 7A

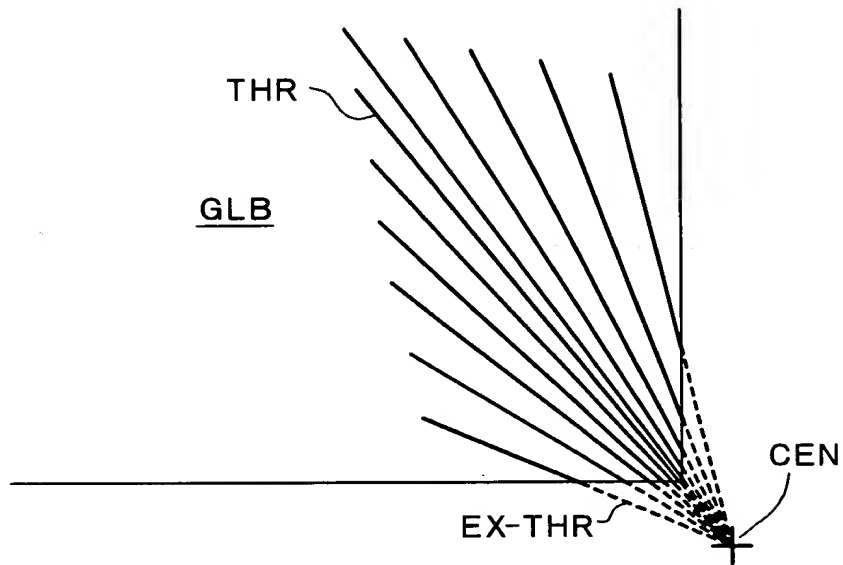


FIG. 7B

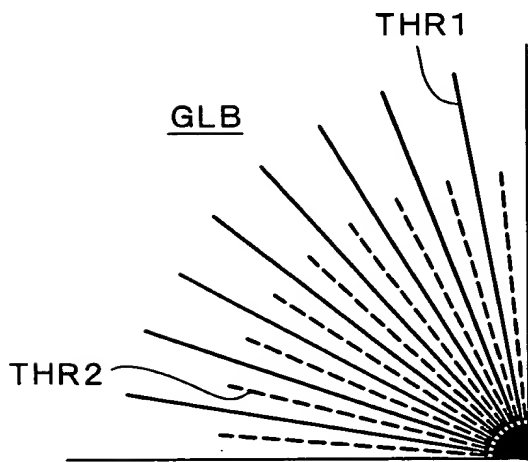
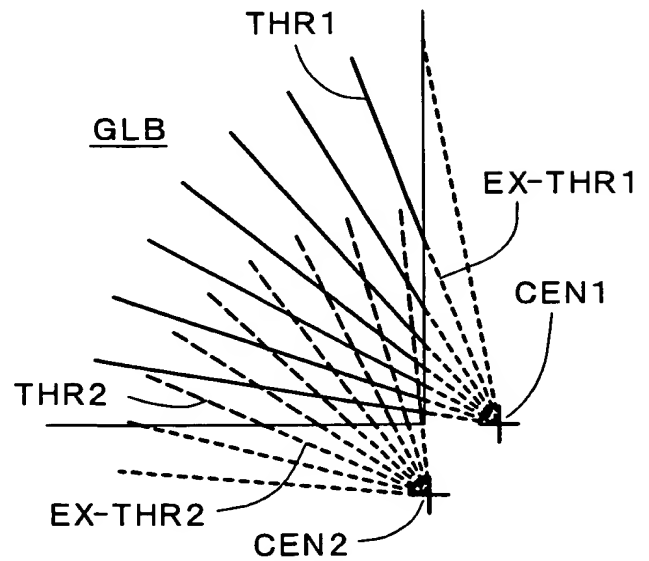


FIG. 7C



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FIG. 8A

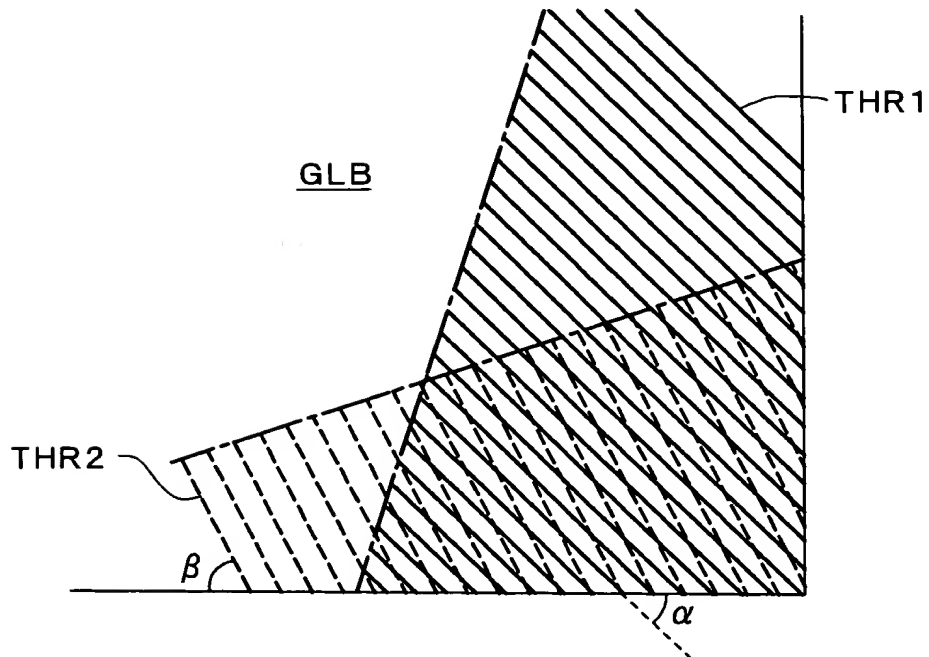
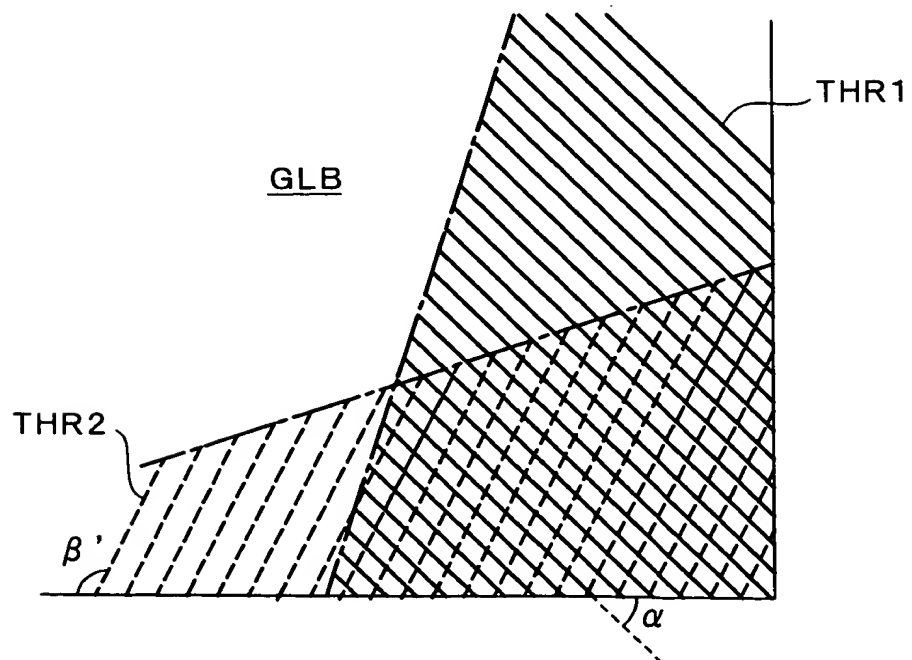
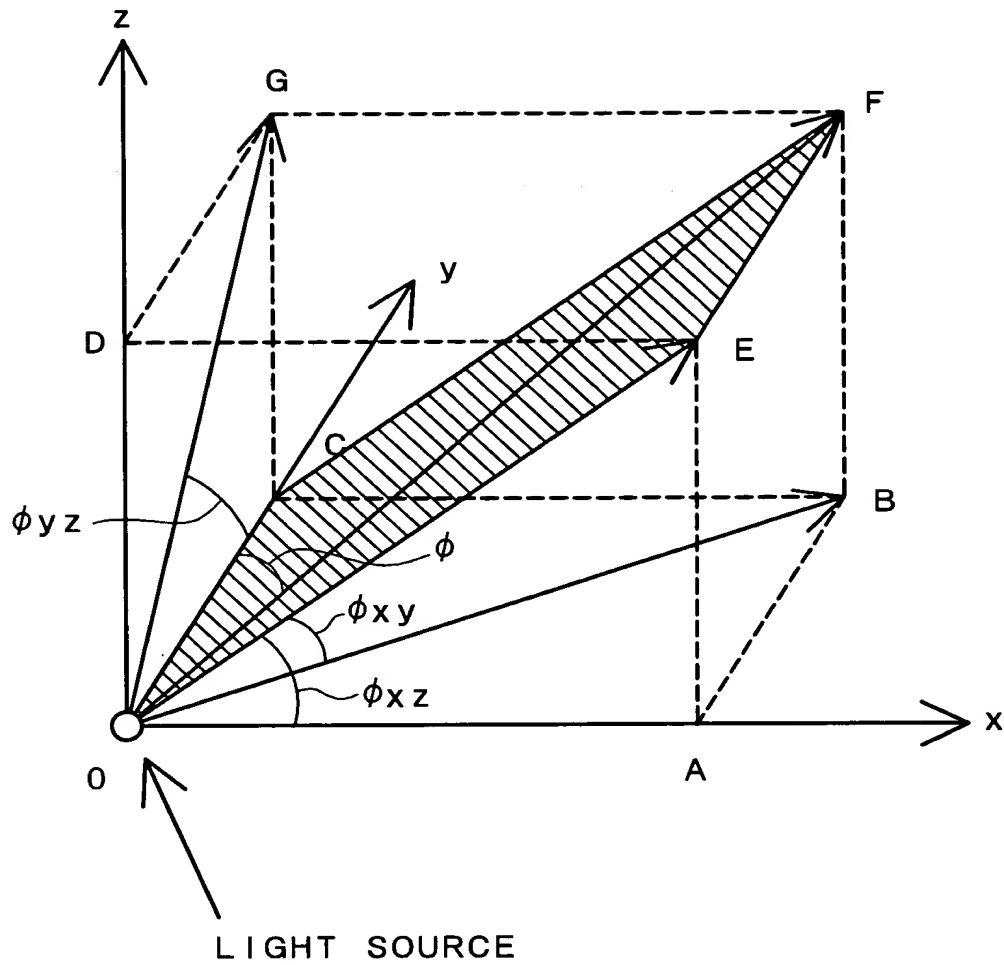


FIG. 8B



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FIG. 8A

FIG. 9



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FIG. 9

FIG.10

Rotation Angle ϕ_{xz}	Air Layer			Acrylic Layer		
	Expansion Angle ϕ	Wedged Cross- Sectional Angle ϕ_{yz}	Planar Angle ϕ_{xy}	Expansion Angle ϕ'	Wedged Cross- Sectional Angle ϕ'_{yz}	Planar Angle ϕ'_{xy}
0	60	0	60	35.53676	0	35.53676
15	60	24.14611	59.13252	35.53676	10.47371	34.60271
30	60	40.89339	56.30993	35.53676	19.65321	31.73963
45	60	50.76848	50.76848	35.53676	26.79647	26.79647
60	60	56.30993	40.89339	35.53676	31.73963	19.65321
75	60	59.13252	24.14611	35.53676	34.60271	10.47371
90	60	60	6.08E-15	35.53676	35.53676	2.51E-15
105	60	59.13252	-24.1461	35.53676	34.60271	-10.4737
120	60	56.30993	-40.8934	35.53676	31.73963	-19.6532
135	60	50.76848	-50.7685	35.53676	26.79647	-26.7965
150	60	40.89339	-56.3099	35.53676	19.65321	-31.7396
165	60	24.14611	-59.1325	35.53676	10.47371	-34.6027
180	60	1.22E-14	-60	35.53676	5.01E-15	-35.5638
195	60	-24.1461	-59.1325	35.53676	-10.4737	-34.6027
210	60	-40.8934	-56.3099	35.53676	-19.6532	-31.7396
225	60	-50.7685	-50.7685	35.53676	-26.7965	-26.7965
240	60	-56.3099	-40.8934	35.53676	-31.7396	-19.6532
255	60	-59.1325	-24.1461	35.53676	-34.6027	-10.4737
270	60	-60	-1.8E-14	35.53676	-35.5638	-7.5E-15
285	60	-59.1325	24.14611	35.53676	-34.6027	10.47371
300	60	-56.3099	40.89339	35.53676	-31.7396	19.65321
315	60	-50.7685	50.76848	35.53676	-26.7965	26.79647
330	60	-40.8934	56.30993	35.53676	-19.6532	31.73963
345	60	-24.1461	59.13252	35.53676	-10.4737	34.60271
360	60	-2.4E-14	60	35.53676	-1E-14	35.53676

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FIG. 11 Solid Angles in Air/Acrylic Layer
(for Expansion Angle $\phi = 60^\circ$)

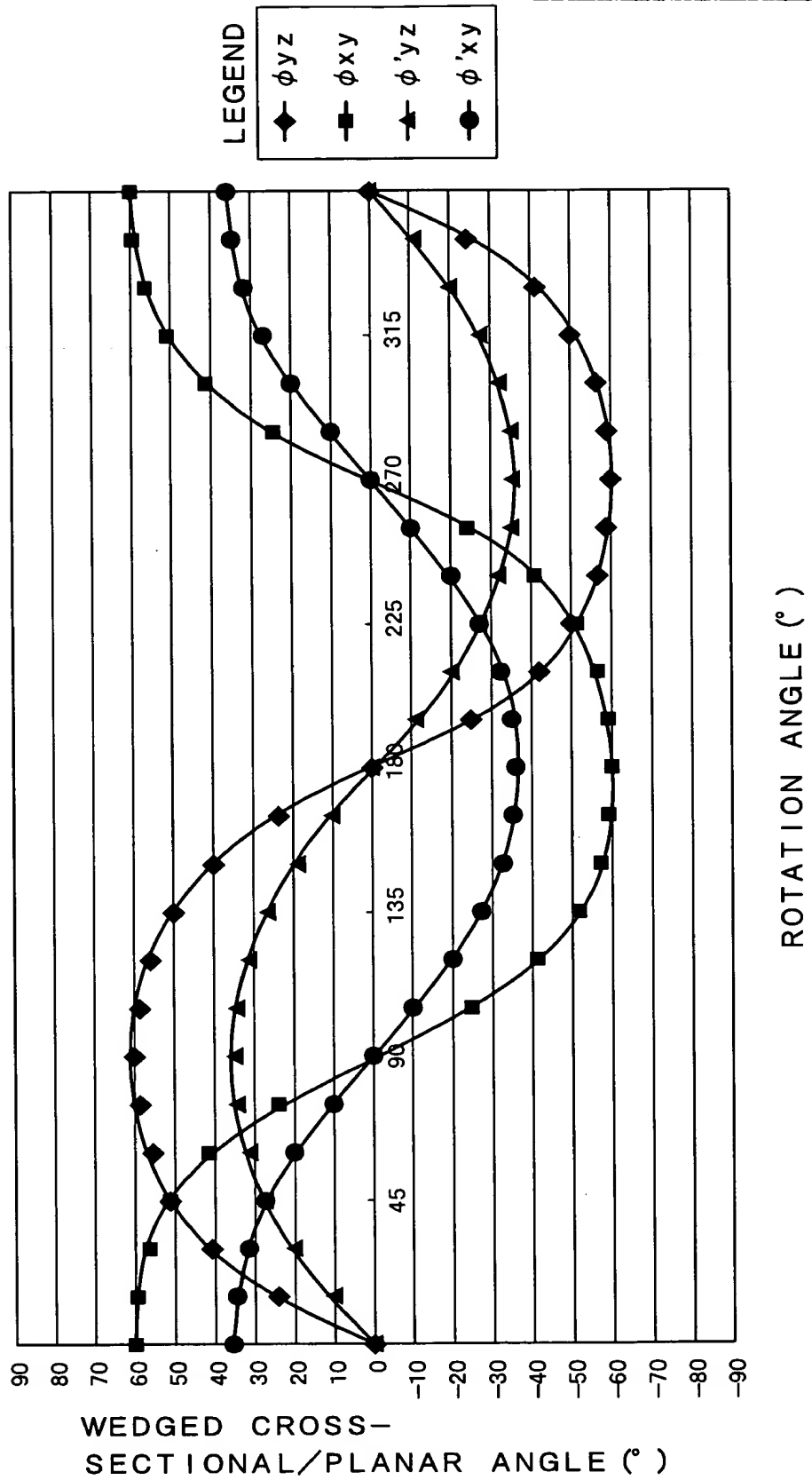
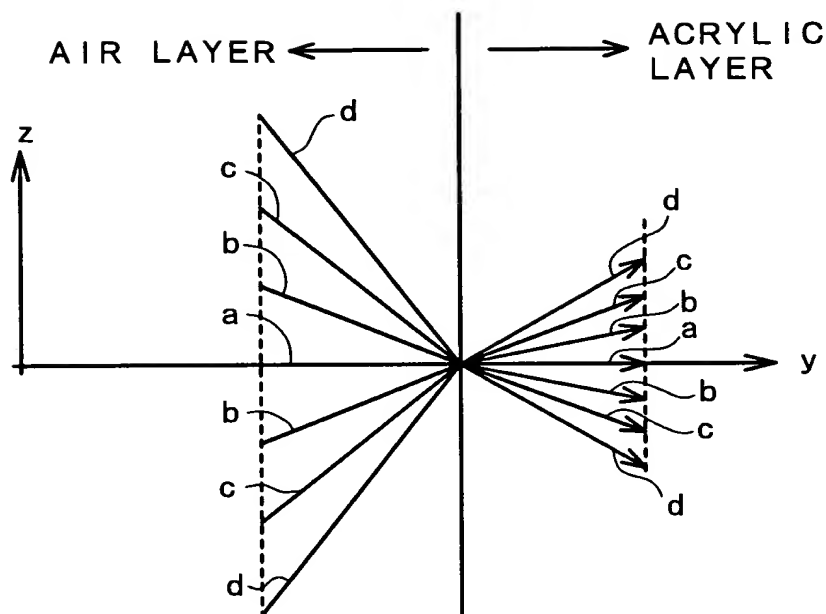
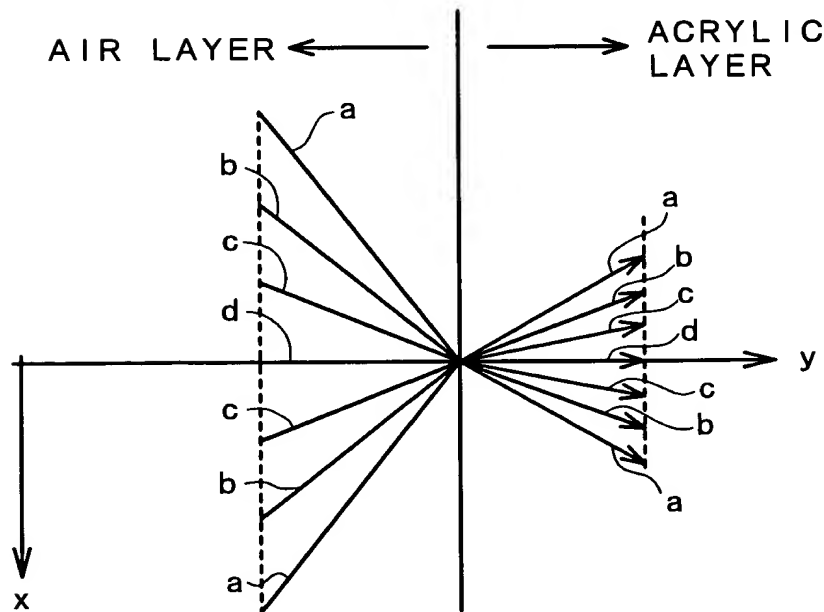


FIG. 12



LIGHT PROPAGATION ALONG
A WEDGED CROSS SECTION

FIG. 13



LIGHT PROPAGATION ALONG A PLANE

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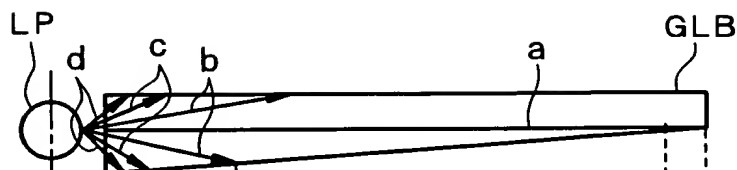


FIG. 14A

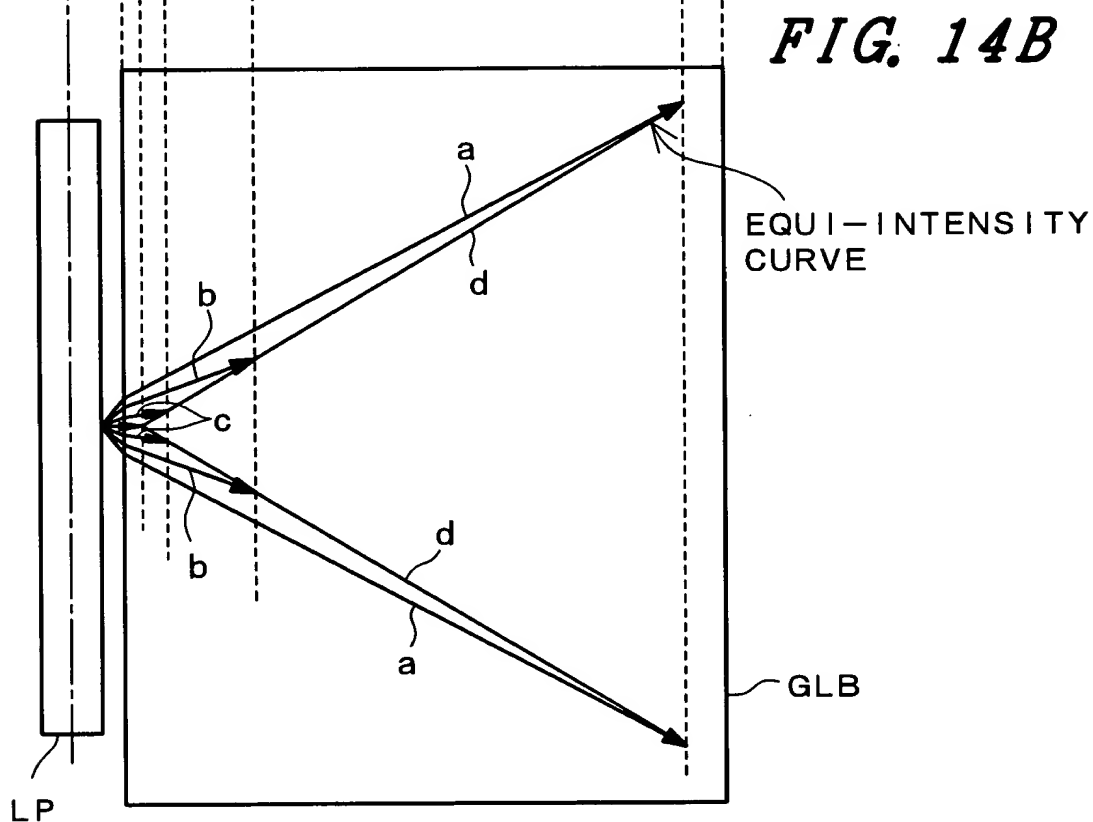


FIG. 14B

Intensity Distribution
of Light Along Patterned
Surface Produced by
A Representative Light Source

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FIG. 14A

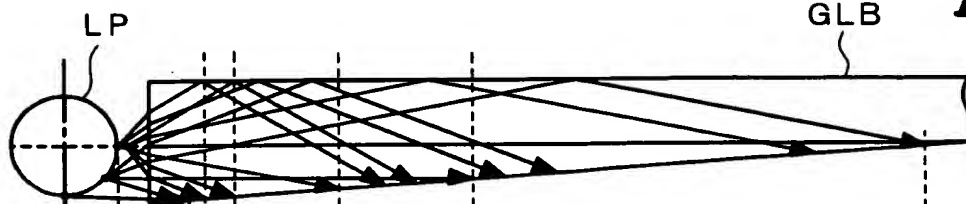


FIG. 15A

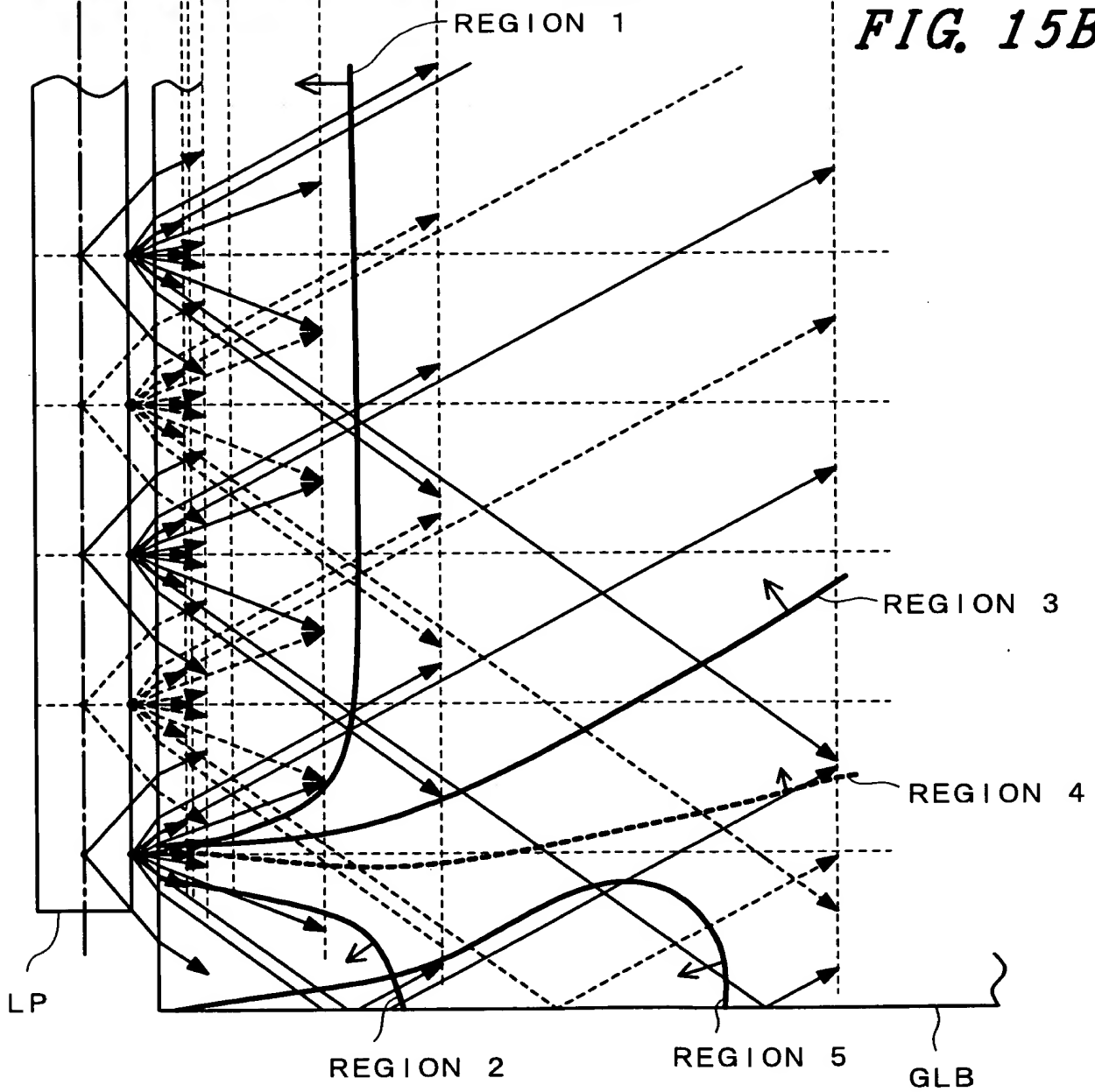


FIG. 15B

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FIG. 16

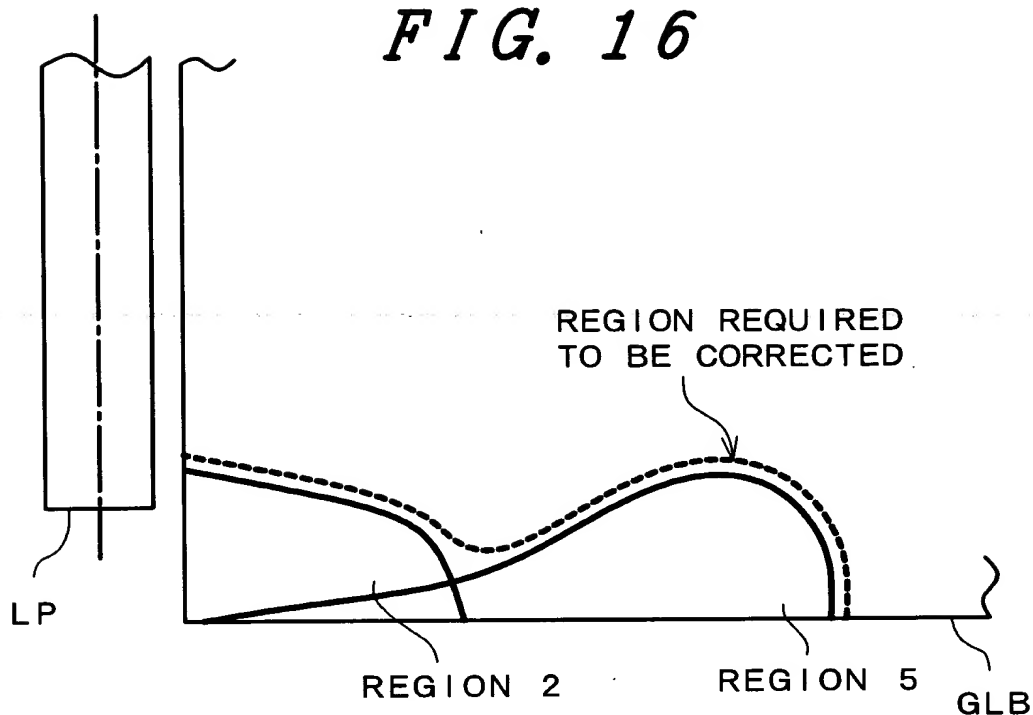
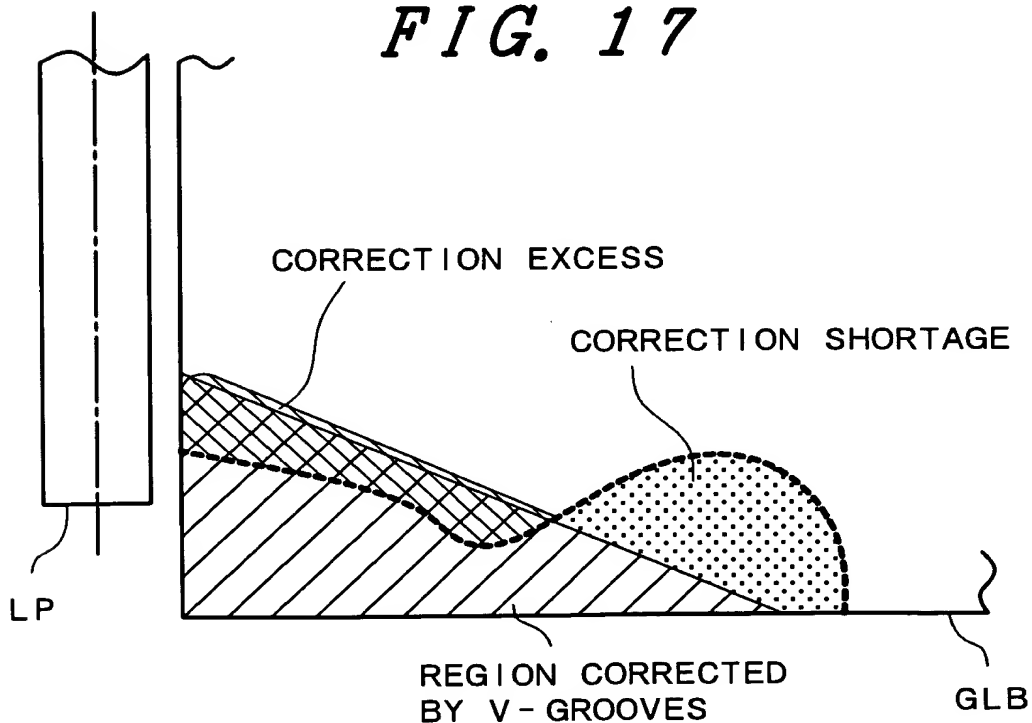


FIG. 17



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FIG. 16

FIG. 18

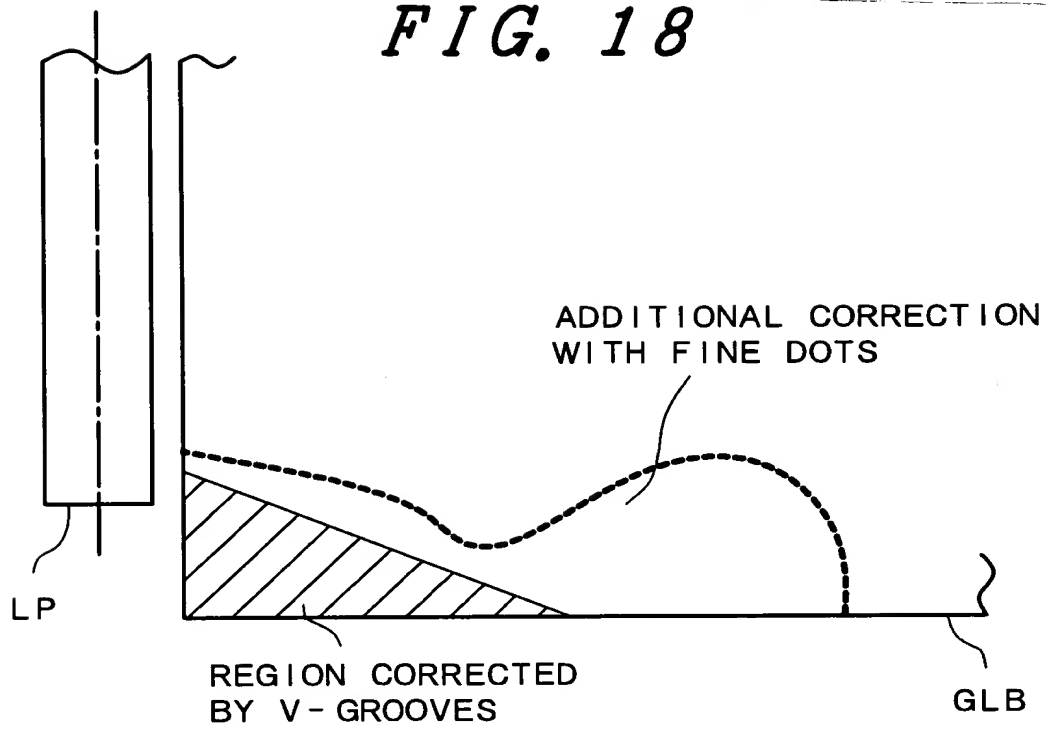
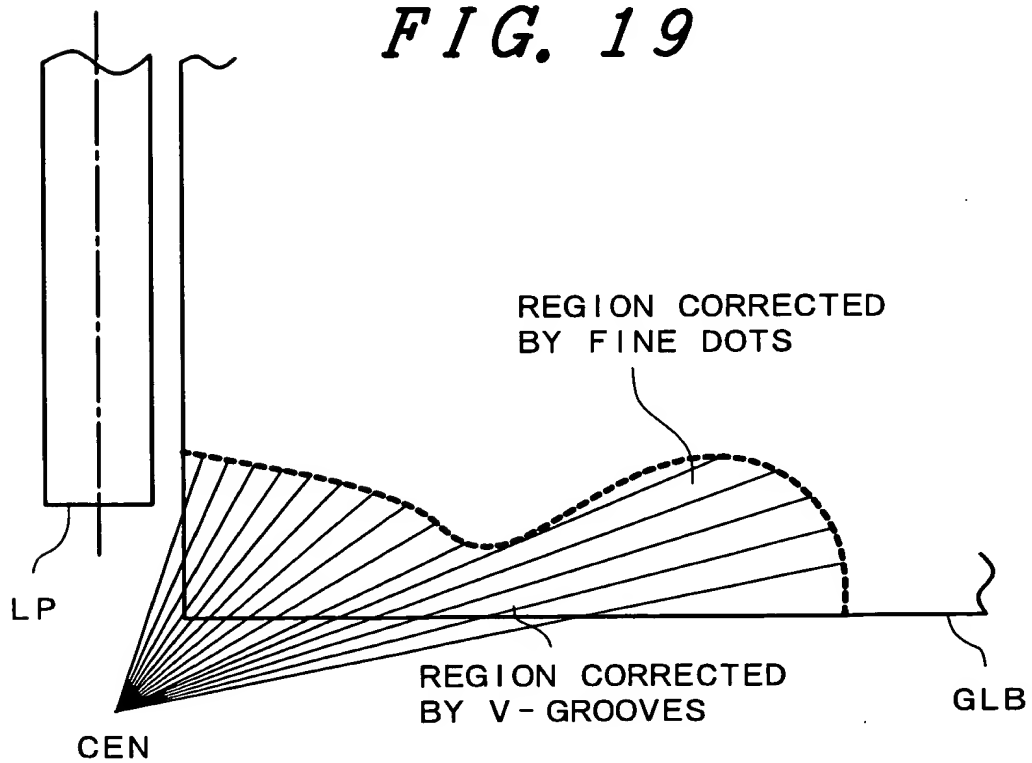


FIG. 19



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FIG. 20

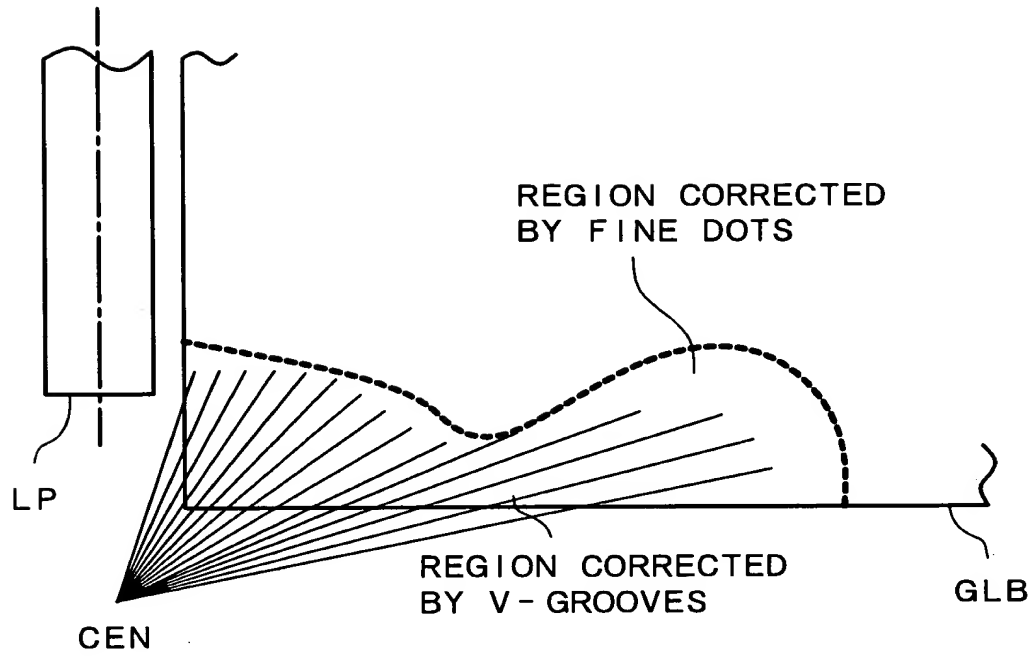
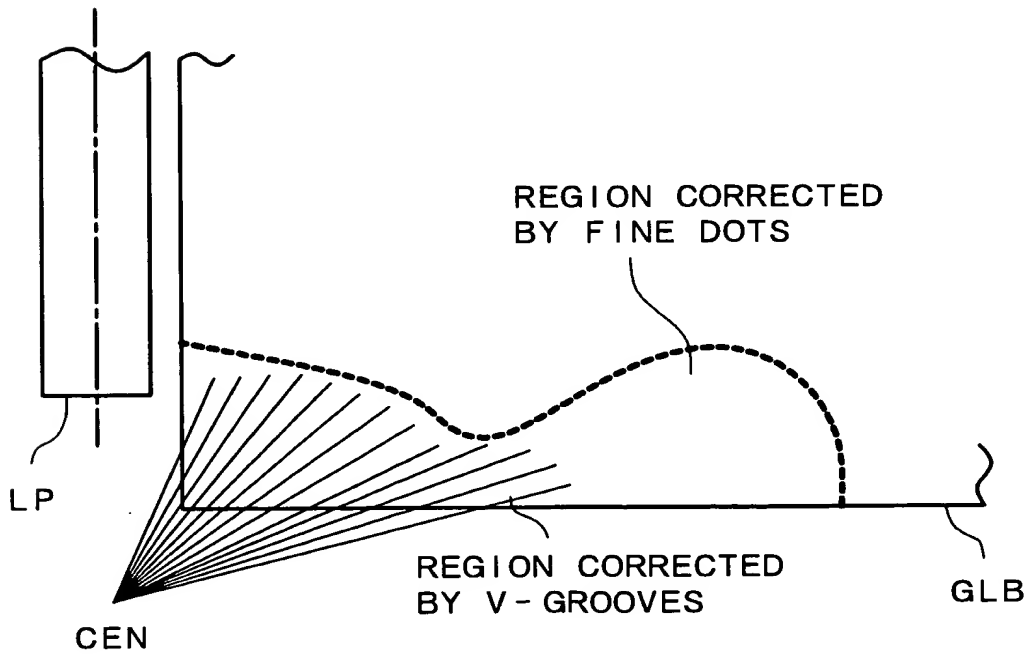
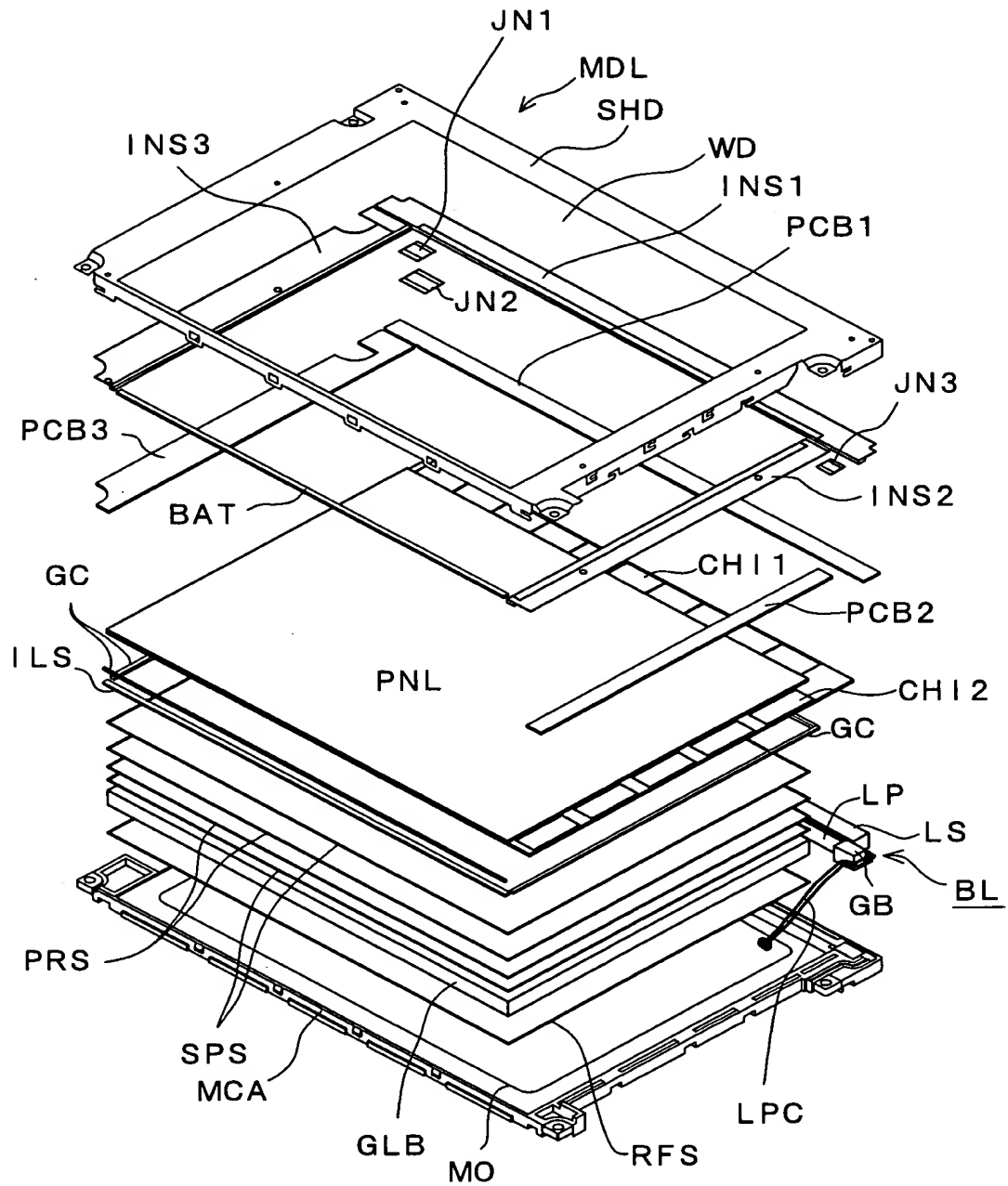


FIG. 21



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FIG. 22



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FIG. 23

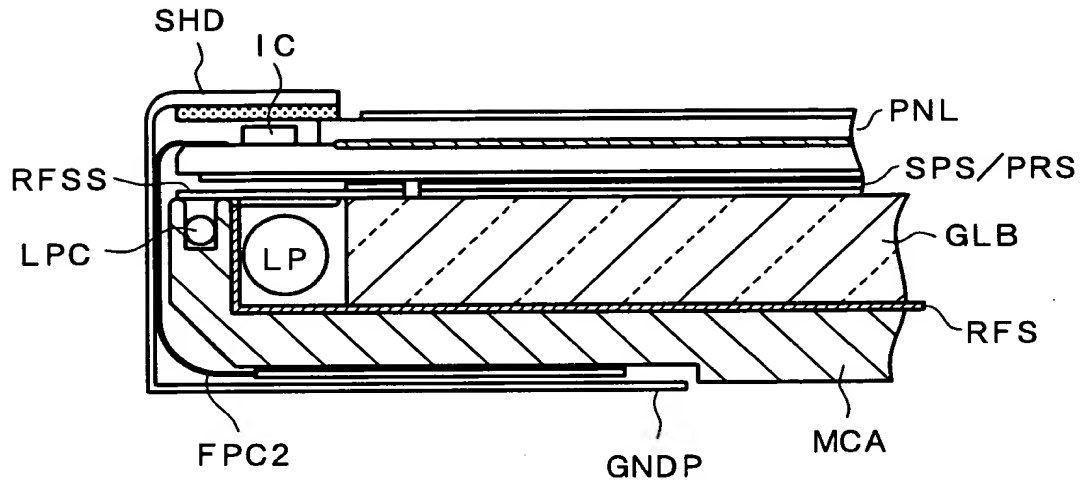
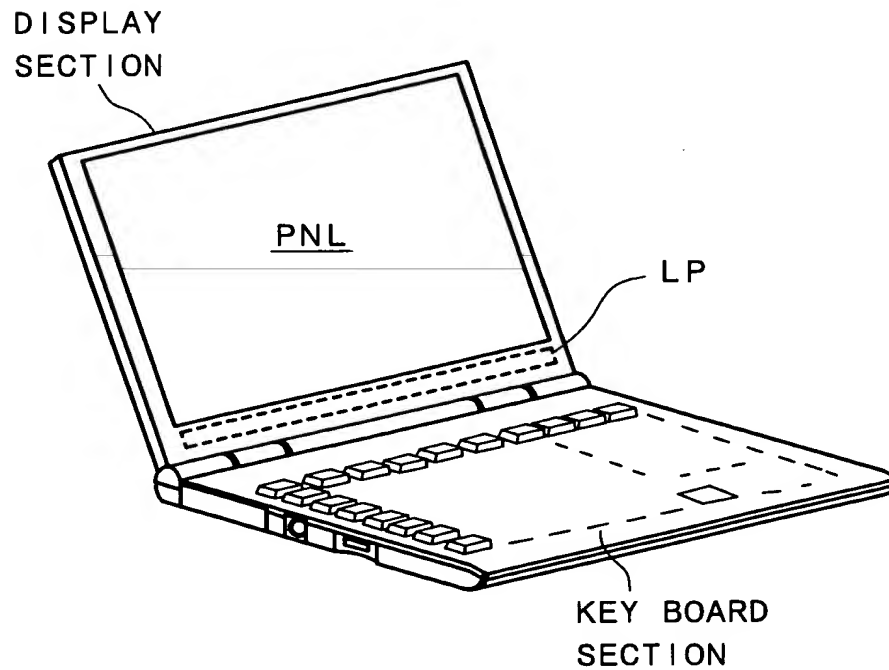


FIG. 24



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FIG. 25

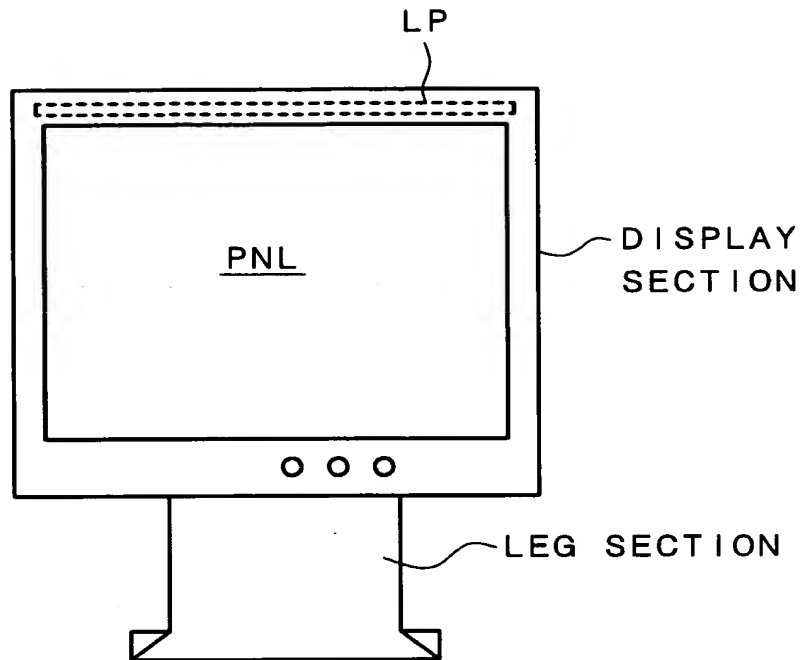


FIG. 26B FIG. 26A

